
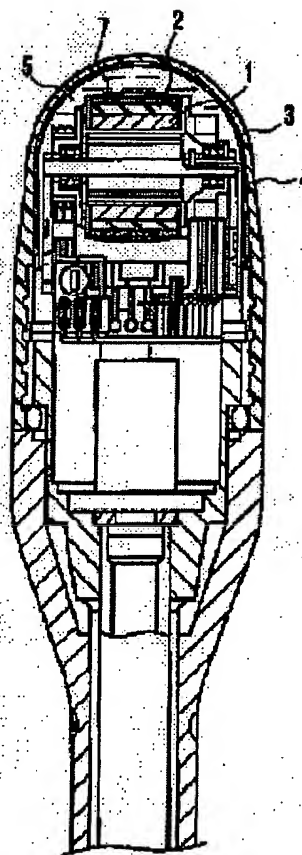


ULTRASONIC PROBE**Publication number:** JP2003309890**Publication date:** 2003-10-31**Inventor:** HASEGAWA SHIGEYOSHI; IRIOKA KAZUYOSHI;
KOIZUMI JUN; HIRAYAMA MICHIO**Applicant:** MATSUSHITA ELECTRIC IND CO LTD**Classification:****- International:** G01N29/24; A61B8/00; A61B8/12; H04R1/44;
G01N29/24; A61B8/00; A61B8/12; H04R1/44; (IPC1-7):
H04R1/44; A61B8/00; G01N29/24**- european:** A61B8/00B; A61B8/12**Application number:** JP20020115355 20020417**Priority number(s):** JP20020115355 20020417**Also published as:** EP1501331 (A1)
WO03088705 (A1)
US2005184624 (A1)
CN1647574 (A)
CA2482822 (A1)**Report a data error here****Abstract of JP2003309890**

PROBLEM TO BE SOLVED: To provide an ultrasonic probe wherein the pressure of sound propagation liquid inside a window can be maintained by preventing the sound propagation liquid existing between the sound window and an ultrasonic oscillator from infiltrating into window material and from permeating to the outside of the window.

SOLUTION: This ultrasonic probe is provided with: a polyparaxylene layer 3 which comes into contact with a body to be inspected to prevent gas and liquid from infiltrating and permeating into the inner surface of the sound window 4 through which ultrasonic waves pass; an oscillator 2 for transmitting and receiving the ultrasonic waves; and the sound propagation liquid 5 that propagates the ultrasonic waves from the oscillator 2. The sound propagation liquid 5 forms a sealed state surrounded with the sound window 4 to make a change in pressure of the sound propagation liquid 5 smaller.

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